

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0341_01_f_2014_13				
Comment Code					
Inspector Comment					
District has the O+M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0341_01_f_2014_14				
Comment Code					
Inspector Comment					
District has emergency supplies stored at their main shop and additional supplies located on the eastern side of the Island. LMA added additional supplies over 2018-2019 flood season.					

No Photos

LM Start		Rating **	M	Issue No.	15
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0341_01_f_2014_15				
Comment Code					
Inspector Comment					
District did flood fight training on Twitchell Island three years ago. New employees have not gone through flood fight training yet.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	36
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.085507 °	38.085507 °
				-121.686528 °	-121.686528 °
DWR ID	24215				
Comment Code					
Inspector Comment					
FS_ID:52252 DS_ID:24215 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/05/2009 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee 11.1 feet below the crown. Corrugated metal cutoff wall around pipe at the center of the levee. Siphon breaker is located on both waterside (WS) and landside (LS). Pump is located on the LS approximately 300 feet from LS toe. Pipe is exposed on both levee slopes. Rock revetment present along WS slope. Marine Station number 1 located on WS with an attached small solar panel on top. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit No. 101, February 1962, (HLM 0.0). LMA encroachment station (STA) reference based on Map of Evacuation Route, Reclamation District 341 Sherman Island by Wagner Bonsignore Consulting Civil Engineers, A Corporation dated July 2012, STA 175+00]. FS Date: 5/5/2009					

LM Start	0.00	Rating **	M	Issue No.	36 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_52252_37640.jpg



Marine station posts in river identified as Station 1 near crossing.

Photo 2 of 3 : UCIP_SP_2019_52252_37644.jpg



View of pipe and siphon breaker located on WS--dense vegetation on slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	36 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.085507 °	38.085507 °
				-121.686528 °	-121.686528 °
DWR ID	24215				
Comment Code					
Inspector Comment					
FS_ID:52252 DS_ID:24215 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/05/2009 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee 11.1 feet below the crown. Corrugated metal cutoff wall around pipe at the center of the levee. Siphon breaker is located on both waterside (WS) and landside (LS). Pump is located on the LS approximately 300 feet from LS toe. Pipe is exposed on both levee slopes. Rock revetment present along WS slope. Marine Station number 1 located on WS with an attached small solar panel on top. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit No. 101, February 1962, (HLM 0.0). LMA encroachment station (STA) reference based on Map of Evacuation Route, Reclamation District 341 Sherman Island by Wagner Bonsignore Consulting Civil Engineers, A Corporation dated July 2012, STA 175+00]. FS Date: 5/5/2009					

Photo 3 of 3 : UCIP_SP_2019_52252_37642.jpg



Overview of LS slope above ground once it exits levee. Pump is located approximately 300 feet from levee toe.

LM Start	0.00	Rating **	U	Issue No.	29
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085573 °	38.096376 °
				-121.686495 °	-121.686952 °
DWR ID	DWR_RD0341_01_s_2019_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the landside slope					

Photo 1 of 1 : SP_2019_RD0341_167_29_20190329_00053.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start	0.74	Rating **	M	Issue No.	32
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.096136 °	38.096136 °
				-121.686953 °	-121.686953 °
DWR ID	DWR_RD0341_01_s_2019_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from waterside slope.					

Photo 1 of 1 : SP_2019_RD0341_167_32_20190329_00055.jpg



View looking downslope at arundo on the waterside (Spring 2019).

LM Start	1.96	Rating **	M	Issue No.	33
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.113663 °	38.113663 °
				-121.684131 °	-121.684131 °
DWR ID	DWR_RD0341_01_s_2019_33				
Comment Code					
GA : Garbage					
Inspector Comment					
Remove garbage from landside slope.					

Photo 1 of 1 : SP_2019_RD0341_167_33_20190329_00056.jpg



View looking upstream at garbage pile on the landside slope (Spring 2019).

LM Start	2.19	Rating **	M	Issue No.	21
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.113144 °	38.113144 °
				-121.687601 °	-121.687601 °
DWR ID	DWR_RD0341_01_s_2018_21				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on waterside slope.					

Photo 1 of 1 : SP_2019_RD0341_167_21_20190311_00002.jpg



View of fallen tree on waterside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start	2.56	Rating **	M	Issue No.	26
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.108932 °	38.105813 °
				-121.691837 °	-121.693558 °
DWR ID	DWR_RD0341_01_s_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation down to the landside toe.					

Photo 1 of 1 : SP_2019_RD0341_167_26_20190329_00052.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	3.21	Rating **	M	Issue No.	22
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104677 °	38.104677 °
				-121.700030 °	-121.700030 °
DWR ID	DWR_RD0341_01_f_2017_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove or thin wild vegetation at base of electrical transmission tower to allow visibility and access to slope and toe.					

Photo 1 of 1 : SP_2019_RD0341_167_22_20190311_00003.jpg



View of wild vegetation at base of electrical transmission tower.

LM Start	3.22	Rating **	U	Issue No.	25
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104687 °	38.104687 °
				-121.700207 °	-121.700207 °
DWR ID	DWR_RD0341_01_s_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the landside slope.					

Photo 1 of 1 : SP_2019_RD0341_167_25_20190329_00050.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	03/28/2019 03/28/2019	David Julian

LM Start	3.27	Rating **	M	Issue No.	35
LM End	3.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105058 °	38.105058 °
				-121.701046 °	-121.701046 °
DWR ID	DWR_RD0341_01_s_2019_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from the waterside slope.					

Photo 1 of 1 : SP_2019_RD0341_167_35_20190329_00058.jpg



View looking upstream at arundo on the waterside slope (Spring 2019).

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	3.36	Rating **	M	Issue No.	36
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105301 °	38.105301 °
				-121.702634 °	-121.702634 °
DWR ID	DWR_RD0341_02_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the landside slope					

Photo 1 of 1 : SP_2019_RD0341_168_36_20190329_00086.jpg



View looking downslope at annual vegetation on the landside slope (Spring 2019).

LM Start	3.43	Rating **	M	Issue No.	38
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104964 °	38.098390 °
				-121.703796 °	-121.706334 °
DWR ID	DWR_RD0341_02_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the landside slope					

Photo 1 of 1 : SP_2019_RD0341_168_38_20190329_00087.jpg



View looking downslope at annual vegetation on the landside slope (Spring 2019).

LM Start	3.48	Rating **	M	Issue No.	44
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.104454 °	38.104454 °
				-121.704275 °	-121.704275 °
DWR ID	DWR_RD0341_02_s_2018_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs from waterside shoulder.					

Photo 1 of 1 : SP_2019_RD0341_168_44_20190311_00012.jpg



Tree limbs on waterside shoulder should be removed.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	3.94	Rating **	U	Issue No.	41
LM End	6.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.098158 °	38.080223 °
				-121.706320 °	-121.730312 °
DWR ID	DWR_RD0341_02_s_2017_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted vegetation from the waterside shoulder and slope.					

Photo 1 of 2 : SP_2019_RD0341_168_41_20190311_00005.jpg



Vegetation looking downstream at the beginning of where the levee is on Highway 160 (October 2018).

LM Start	3.94	Rating **	U	Issue No.	41 (cont)
LM End	6.14	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0341_168_41_20190311_00006.jpg



Looking downstream from levee mile 3.94 at tall unwanted weeds and other vegetation on the waterside shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	3.97	Rating **	M	Issue No.	43
LM End	6.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.097782 °	38.080143 °
				-121.706262 °	-121.728330 °
DWR ID	DWR_RD0341_02_f_2017_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted vegetation from the landside shoulder, slope and toe.					

Photo 1 of 2 : SP_2019_RD0341_168_43_20190311_00010.jpg



View of vegetation on the land side slope where the levee is on Highway 160 (October 2018).

LM Start	3.97	Rating **	M	Issue No.	43 (cont)
LM End	6.03	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD0341_168_43_20190311_00011.jpg



Remove the unwanted vegetation from the landside shoulder, slope and toe.

LM Start	4.00	Rating **	M	Issue No.	37
LM End	4.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.097398 °	38.094590 °
				-121.706321 °	-121.706393 °
DWR ID	DWR_RD0341_02_f_2018_37				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 8.2 L					
Status: Eroding					
2017 Field Notes: Minor new erosion.					
Site History: 2011 - Large new erosion pocket probably hidden by vegetation in the past.					

Photo 1 of 1 : SP_2019_RD0341_168_37_20190311_00004.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	4.47	Rating **	U	Issue No.	35
LM End	4.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.090620 °	38.087425 °
				-121.706684 °	-121.707639 °
DWR ID	DWR_RD0341_02_f_2018_35				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 8.0 L Status: Critical 2017 Field Notes: Site extended downstream Site History: 1999 - New small slump in eroded bank. 2005 - Reach extended because of vertical bank along the roadway upstream. 2011 - More slumping since last year. 2012 - Site upgraded to critical. Very steep slope which may be effecting the highway on top of the levee. 2015 - New erosion towards the downstream end of site.					

Photo 1 of 1 : SP_2019_RD0341_168_35_20190311_00003.jpg



USACE 2013 Photo #1

LM Start	4.75	Rating **	A/W	Issue No.	42
LM End	4.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.086641 °	38.086119 °
				-121.707545 °	-121.707912 °
DWR ID	DWR_RD0341_02_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:65					
Site Designation:DWR_RD0341_02_s_2012_8					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/8/2017					
Notes: hwy 160 forms levee crown road, erosion has encroached into paved crown, crown 38' wide. This site is currently under contract for repair under FSRP.					

Photo 1 of 3 : SP_2019_RD0341_168_42_20190311_00007.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	4.75	Rating **	A/W	Issue No.	42 (cont)
LM End	4.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.086641 °	38.086119 °
				-121.707545 °	-121.707912 °
DWR ID	DWR_RD0341_02_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:65					
Site Designation:DWR_RD0341_02_s_2012_8					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/8/2017					
Notes: hwy 160 forms levee crown road, erosion has encroached into paved crown, crown 38' wide. This site is currently under contract for repair under FSRP.					

Photo 2 of 3 : SP_2019_RD0341_168_42_20190311_00008.jpg



Photo 3 of 3 : SP_2019_RD0341_168_42_20190311_00009.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	4.76	Rating **	A/W	Issue No.	34
LM End	5.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.086603 °	38.083954 °
				-121.707786 °	-121.710589 °
DWR ID	DWR_RD0341_02_f_2018_34				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 7.9 L					
Status: Critical					
2017 Field Notes: Road base exposed in multiple locations. New tree popout observed.					
Site History: 2011 - Large slump section. 2012 - Site extended downstream, upgraded to critical, severe windwave. Slope is very steep and may be effecting the highway on top of the levee.					

Photo 1 of 1 : SP_2019_RD0341_168_34_20190311_00002.jpg



USACE 2013 Photo #1

LM Start	5.44	Rating **	M	Issue No.	33
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.081801 °	38.081584 °
				-121.717915 °	-121.719794 °
DWR ID	DWR_RD0341_02_f_2018_33				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 7.5 L					
Status: Eroding New					
2017 Field Notes: Erosion along levee slope, erosion appears to mainly be human caused, but it is threatening the integrity of the Hwy on top of the levee.					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	5.55	Rating **	M	Issue No.	11
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.081270 °	38.080807 °
				-121.719702 °	-121.723488 °
DWR ID	DWR_RD0341_02_f_2014_11				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim up the trees on the waterside slope so the ground can be seen.					

No Photos

LM Start	6.03	Rating **	U	Issue No.	49
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080143 °	38.080125 °
				-121.728332 °	-121.729662 °
DWR ID	DWR_RD0341_02_f_2016_49				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the arundo from the landside slope					

Photo 1 of 1 : SP_2019_RD0341_168_49_20190311_00015.jpg



RD 341 Landside slope from levee mile 6.03-6.10 tall unwanted growth of Arundo present on the levee section.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	6.03	Rating **	U	Issue No.	32
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.080370 °	38.080526 °
				-121.728341 °	-121.730483 °
DWR ID	DWR_RD0341_02_f_2018_32				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 7.3 L					
Status: Critical					
2017 Field Notes: No observed change..					
Site History: 2011 - Large slump at downstream end. Gully formed from surface runoff from the road. Shallow slumping throughout site.					
2012 - The gully at upstream end has increased in size and site continues to worsen.					

Photo 1 of 1 : SP_2019_RD0341_168_32_20190311_00001.jpg



USACE 2013 Photo #1

LM Start	6.40	Rating **	M	Issue No.	48
LM End	6.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.081557 °	38.081557 °
				-121.734688 °	-121.734688 °
DWR ID	DWR_RD0341_02_s_2019_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	6.60	Rating **	M	Issue No.	60
LM End	6.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.083344 °	38.083344 °
				-121.737725 °	-121.737725 °
DWR ID	DWR_RD0341_02_s _ 2019_60				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Fishermans trail eroding the levee waterside slope.					

No Photos

LM Start	7.69	Rating **	M	Issue No.	50
LM End	7.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.075756 °	38.075756 °
				-121.754520 °	-121.754520 °
DWR ID	DWR_RD0341_02_s _ 2019_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

No Photos

LM Start	7.78	Rating **	M	Issue No.	52
LM End	7.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.075007 °	38.075007 °
				-121.755814 °	-121.755814 °
DWR ID	DWR_RD0341_02_s _ 2019_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	03/28/2019 03/28/2019	David Julian

LM Start	8.23	Rating **	M	Issue No.	54
LM End	8.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.072164 °	38.072164 °
				-121.763065 °	-121.763065 °
DWR ID	DWR_RD0341_02_s_2019_54				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

No Photos

LM Start	8.26	Rating **	M	Issue No.	55
LM End	8.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.072107 °	38.072107 °
				-121.763691 °	-121.763691 °
DWR ID	DWR_RD0341_02_s_2019_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---